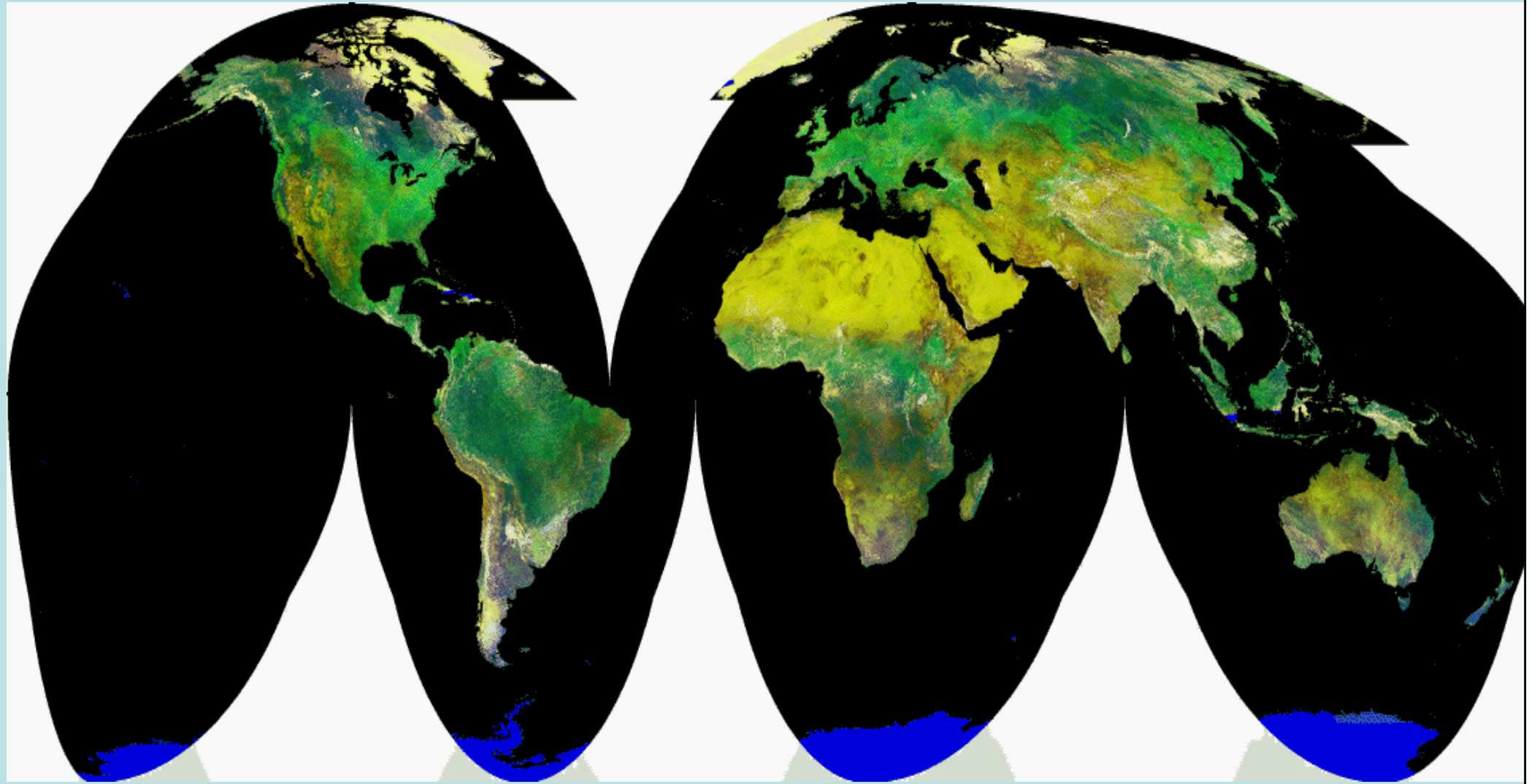
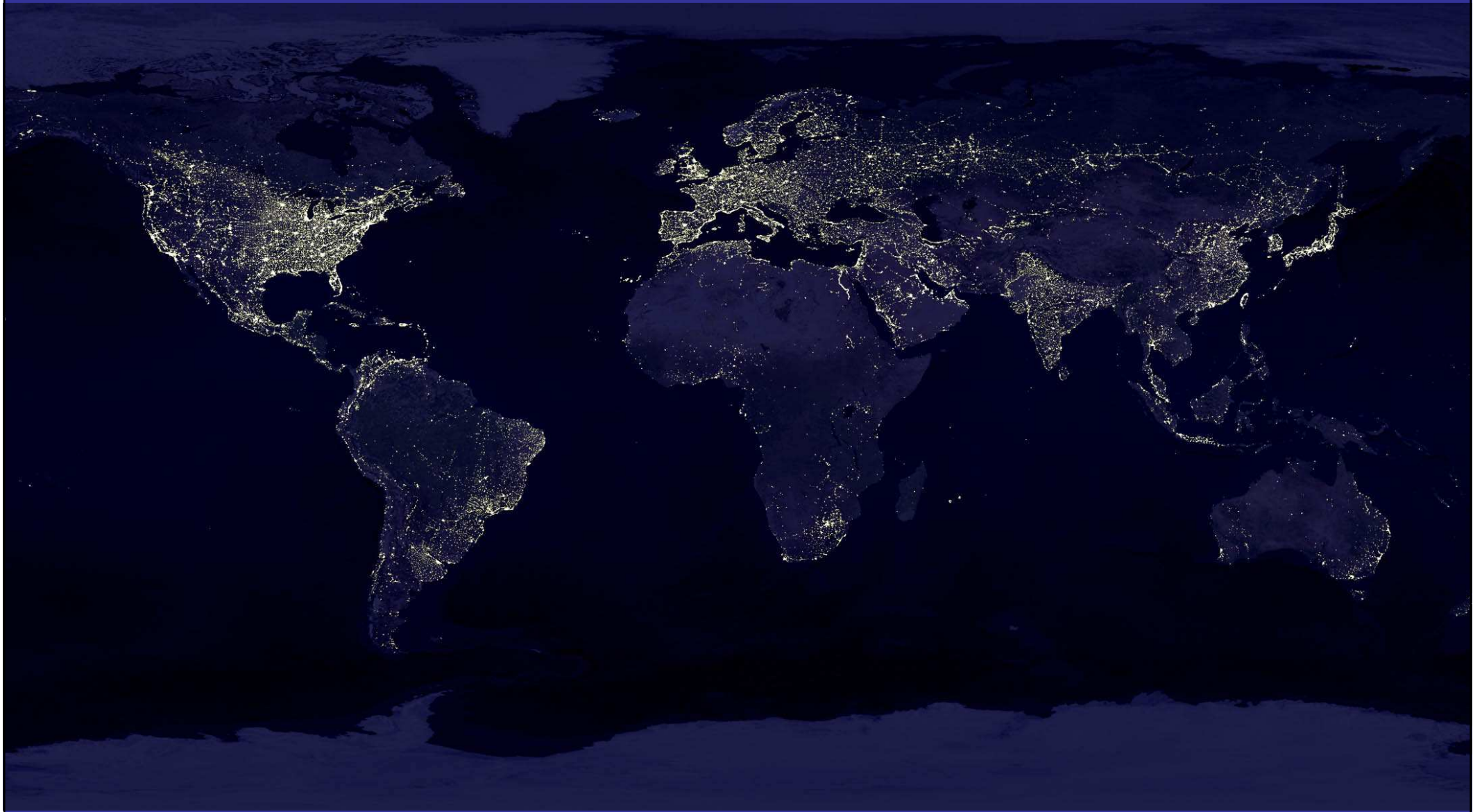


# GLOBAL WARNING

Dr Ulrich Loening

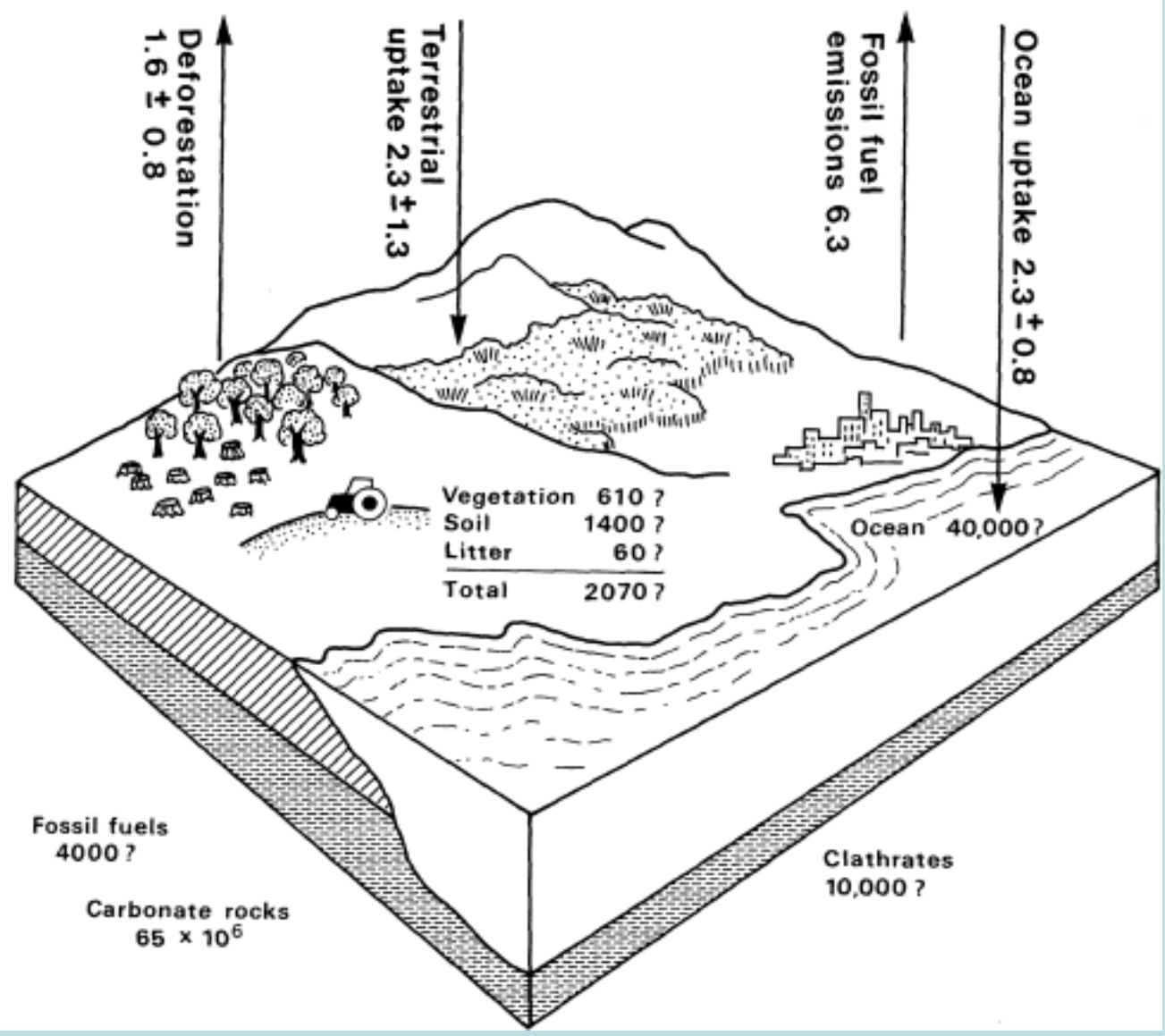








Atmosphere  $750 + 3.3 \text{ yr}^{-1}$



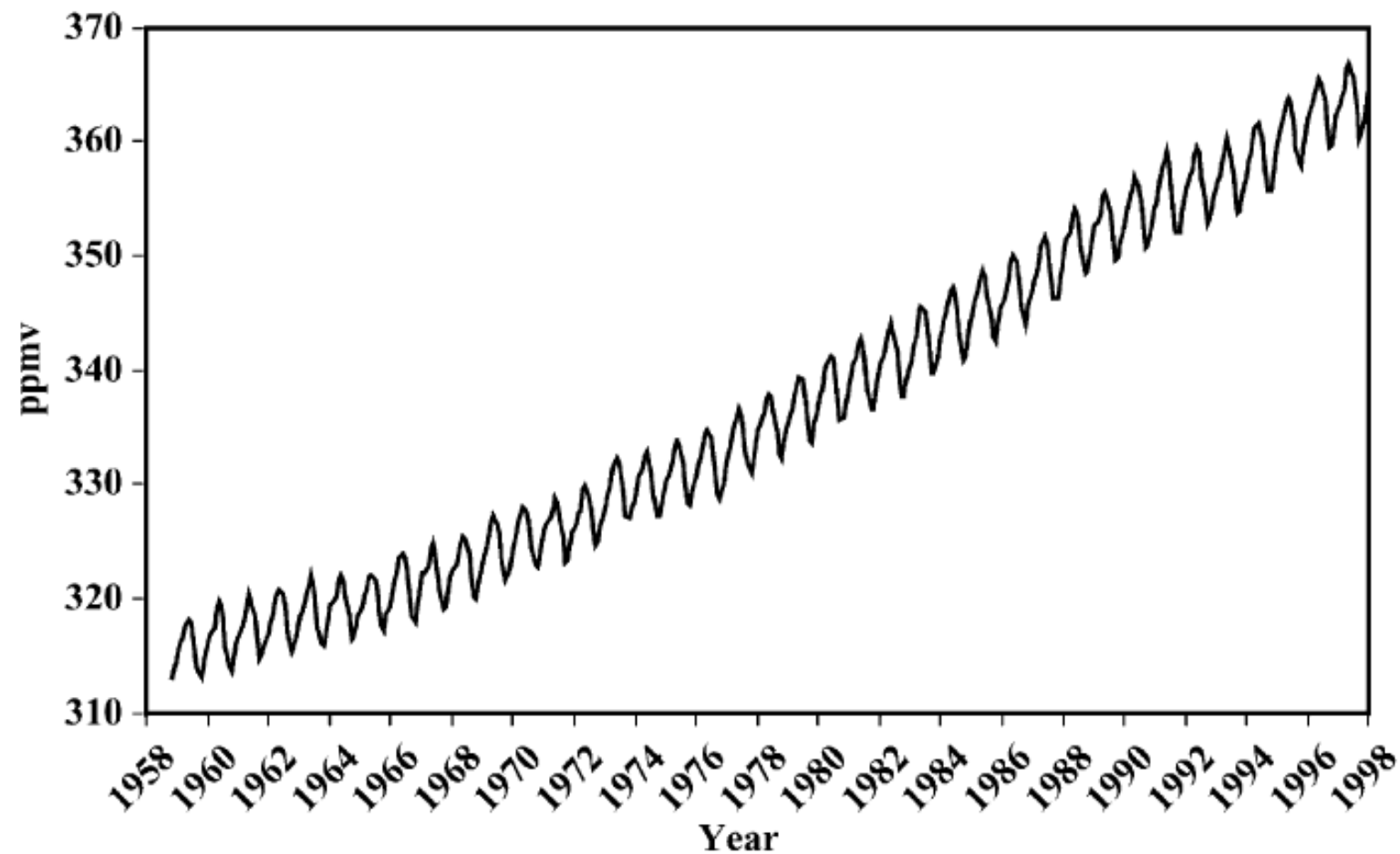


Fig. 2. Observed monthly average CO<sub>2</sub> concentration (ppmv) from Mauna Loa, Hawaii [12]. Seasonal variations are primarily due to the uptake and production of CO<sub>2</sub> by the terrestrial biosphere.

1979



2003











INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE



16 Years of Scientific Assessment  
in Support of the Climate Convention  
December 2004



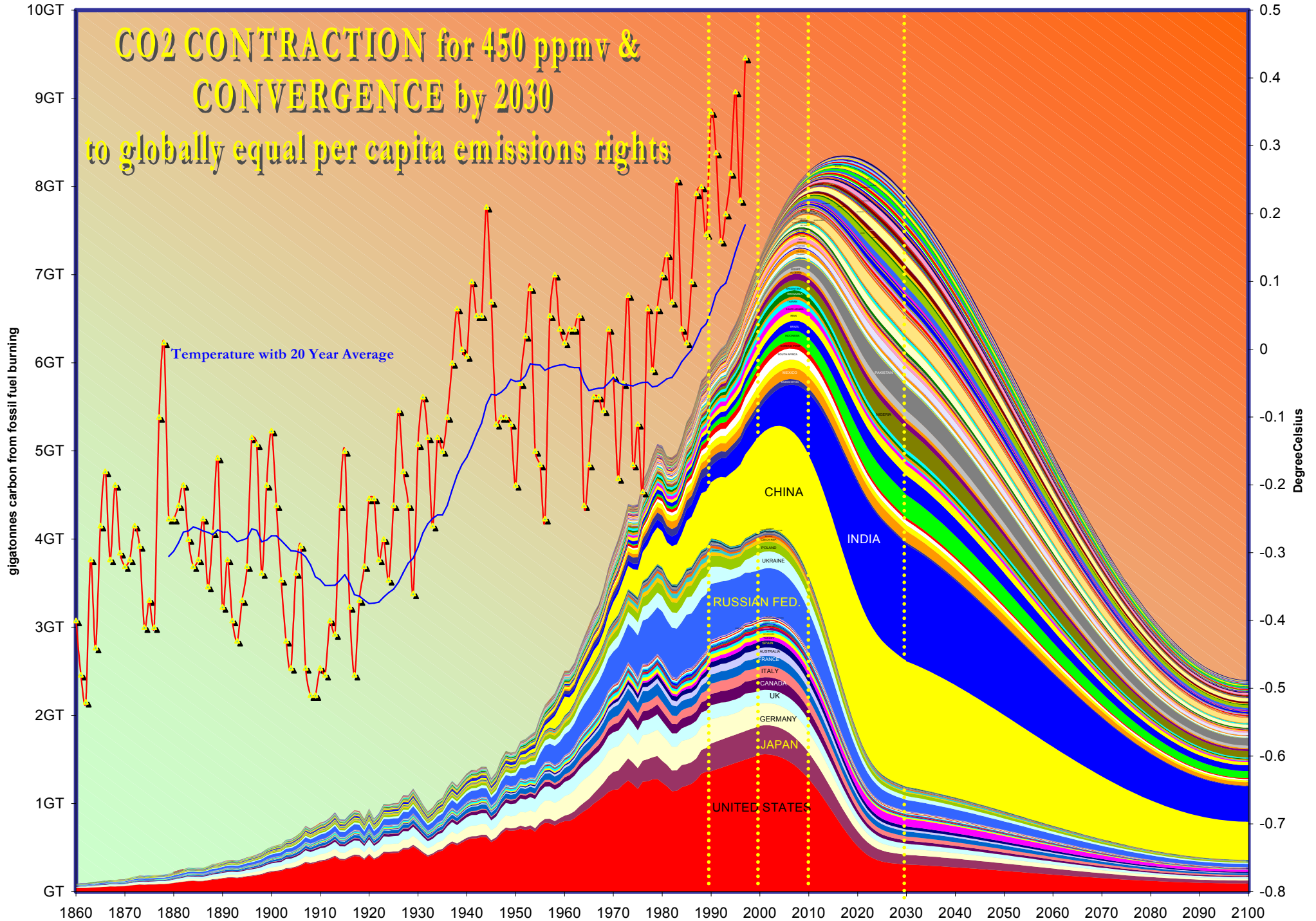
280 ppmv

atmospheric concentrations of CO2 in parts per millions by volume (ppmv)

360 ppmv

450 ppmv

# CO2 CONTRACTION for 450 ppmv & CONVERGENCE by 2030 to globally equal per capita emissions rights



## Table 2: Privatization of Global Carbon Dumps by the UK

Draft National Allocation under the EU Emissions Trading Scheme

<b>Industrial sector (UK only)</b>	<b>Annual gift of emissions rights (mtCO<sub>2</sub>)</b>	<b>Percentage of available world above-ground carbon dump*</b>	<b>Proj. annual value 2005-7†</b>
Power generators	143.7	2.9%	€718m - 2.155b
Iron & steel	21.2	0.3%	€106-318m
Refineries	19.1	0.4%	€95-286m
Offshore oil & gas	19.1	0.4%	€95-286m
Chemicals	11.1	0.2%	€55-166m
Cement	10.1	0.2%	€50-151m
Pulp & paper	4.3	0.1%	€21-64m
Food & drink	3.9	0.1%	€19-58m
Other industries	12.9	0.3%	€64-193m
<b>TOTAL</b>	<b>245.4</b>	<b>5.0%</b>	<b>€1.227 - 3.681b‡</b>



## **Renewables 2005: Global Status Report**

Global investment in renewable energy set a new record of \$30 billion in 2004, according to a report produced by Worldwatch Institute for the [Renewable Energy Policy Network for the 21st Century \(REN21\)](#).

Technologies such as wind, solar, biomass, geothermal, and small hydro now provide 160 gigawatts of electricity generating capacity, about 4 percent of the world total, the report finds.

"Renewable energy has become big business," said Eric Martinot, lead author of *Renewables 2005: Global Status Report*. Martinot, who is a Senior Fellow at the Worldwatch Institute and a Lecturer at Tsinghua University in Beijing, notes that renewable energy is attracting some of the world's largest companies, including General Electric, Siemens, Sharp, and Royal Dutch Shell. The report estimates that nearly 40 million households worldwide heat their water with solar collectors, most of them installed in the last five years. Altogether, renewable energy industries provide 1.7 million jobs, most of them skilled and well-paying.













Berwickshire Housing Association's Level Three House





Canmore Dunedin Has Slateford Green Car-Free development







**After all is said and done, a lot more's been said than done**



